## $0-7$ Omnitron Systems

FlexPoint ${ }^{\text {TM }}$ 10FL/2 User Instructions

## Description:

The FlexPoint ${ }^{\text {TM }}$ family of converters supports the IEEE 802.3 and Ethernet Versions 1.0 / 2.0 standards. They convert among 10BASE-FL fiber, 10BASE-2 thin coax and 10BASE-T twisted pair (UTP) media types.
The FlexPoint 10FL/2 converts from 10BASE-FL fiber to 10BASE-2 coax. It uses ST fiber and BNC coax connector. The following models are described here:

## Model Fiber Type

Maximum Distance

$$
\begin{array}{lll}
4310 & 850 \mathrm{~nm} \text { (multimode) } & 2 \mathrm{~km} \\
4311 & 1310 \mathrm{~nm} \text { (single-mode) } & 30 \mathrm{~km} \\
4312 & 1310 \mathrm{~nm} \text { (multimode) } & 5 \mathrm{~km}
\end{array}
$$

For metal ST fiber connector, add $M$ before the 'dash' in the Model Number. Example: 4310M-1, 4311M-0
The 10FL/2 provides a switch-selectable 50 ohm termination that allows easy termination of the coax cable. This function should be used only when the FlexPoint is connected at the end of a segment.
Note that the total length of the coax cable must not exceed 185 meters and the number of stations on the coax segment must not exceed 30 stations (per IEEE 802.3 specification).

## Power Adapter Notice:

. Whenusing in a stand-alone configuration, this produc is intended to be used and must be used only with a Listed Direct Plug-In Power Unit marked "Class 2" and rated at $9 \mathrm{Vdc}, 1 \mathrm{Amp}$.
2. This product should always be used only with Omnitron Supplied Power Unit model number 9113-PS.

## WARNING!

Before installing and connecting the Power
Adapter verify that the power on the unit is
appropriate for your AC line voltage source.

## Mounting:

The Omnitron FlexPoint 10FL/2 can be solo-mounted using awall-mounting kit, or rack-mounted using a 5 -position spacesaver shelf, FlexRack 5, or a 14-position high-density saver int Pow Chens. When wall-mounting or shel mounting, connect the power adapter unit. When connecting the FlexPoint 10FL/2 at the end of a coax segment, attach the coax cable directly into the FlexPoint's BNC coax connector. When connecting it along the coax line (not at the end), use a "T" connector to tap into the cable. Attach the fiber cables to the FlexPoint's connectors. The FlexPoint's transmit (TX) must attach to the receive side on the device at the far end of the fiber and the receive ( Rx ) must attach to the transmit side.

## Warning

The operating description in this Instruction Manual is for use by qualified personnel only. To avoid electrica shock, do not perform any servicing of this unit other than that contained in the operating instructions, unless you are qualified and certified to do so by Omnitron Systems Technology, Inc.

## Caution

All user-required operations can be performed without opening the unit. Never attempt to open or remove the cover or tamper with the unit.

## Warranty

This product is warranted to the original purchase against defects in material and workmanship for a period of TWO YEARS from the date of shipment. A LIFETIME warranty may be obtained by the original purchaser by REGISTERING this product with Omnitron within 90 days from the date of shipment. TO REGISTER, COMPLETE AND MAIL OR FAX THE REGISTRATION PORTION OF THIS INSTRUCTION MANUAL TO THE INDICATED ADDRESS. During the warranty period, Omnitron will, at its option, repair or replace a product which is proven to be defective.
For warranty service, the product must be sent to an Omnitron designated facility, at Buyer's expense Omnitron will pay the shipping charge to return the
product to Buyer's designated US address using Omnitron's standard shipping method

## Limitation of Warranty

The foregoing warranty shall not apply to defects resulting from improper or inadequate use and/or maintenance of the equipment by Buyer, Buyer-supplied equipment, Buyer-supplied interfacing, unauthorized modifications or tampering with equipment (including removal of equipment cover by personnel not specifically authorized and certified by Omnitron), or misuse, or operating outside the environmental specification of the product (including but not limited to voltage, ambient temperature, radiation, unusual dust, etc.), or improper site preparation or maintenance. No other warranty is expressed or implied. Omnitron specifically disclaims the implied warranties of merchantability and fitness for any particular purpose.

## Exclusive Remedies

The remedies provided herein are the Buyer's sole and exclusive remedies. Omnitron shall not be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any legal theory

## Switch Settings:

Termination" Switch: When attaching anywhere along a coax cable except at the end, the Termination Switch should be set to "Termination Out" (factory setting). When attaching to the end of a cable, it can be set to "Termination In" Note that when the switch is set to "Termination In"" an external terniotion ele is "Termination In," an external termination element must not be attached.

## LED Indicators:

## Power On

Jabber
Jabber
Fiber Link

Coax Rx Green Received data on coax line.
Collision

## Technical Support:

If you encounter problems in installing or maintaining this product, contact Omnitron Technical Support:
Phone: (949) 250-6510
Fax: (949) 250-6514
Address: Omnitron Systems Technology, Inc. 140 Technology Drive, \#500
rvine, CA 92618 USA
E-mail: support@omnitron-systems.com
URL: http://www.omnitron-systems.com

